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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/058,351	01/29/2002	Charles R. Cowan	FIS920010302US1	5800

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EXAMINER
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COUGHLAN, PETER D

ART UNIT	PAPER NUMBER
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2129

DATE MAILED: 05/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/058,351	Applicant(s) COWAN ET AL.	
	Examiner Peter Coughlan	Art Unit 2129	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 29 January 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/29/2002</u> | 6) <input type="checkbox"/> Other: _____  |

## Detailed Action

1. Claims 1-44 are pending in this application.

### ***Specification Rejections***

2. The specification is rejected due to the following. Claim 4 uses the terms “process models” and “structure models”. These terms are mentioned in the specification but are not defined. Since they are not defined, the claim has various meanings.

The specification is rejected due to the following. Claim 6 uses the term “hard coded rules”. This could have a number of meanings but none are addressed or explained in the specification.

The specification is rejected due to the following. Claim 8 uses the terms “implementing forum management” and “providing shared calendars”. These terms are mentioned in the specification but are not defined. Since they are not defined, the claim has various meanings.

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The specification is rejected due to the following. Claim 9 uses the term "process manager". This term is mentioned in the specification but not defined at all. Since it is not defined, the claim has various meanings.

The specification is rejected due to the following. Claim 10 uses the term "access control tool". This could have a number of meanings but none are addressed or explained in the specification.

The specification is rejected due to the following. Claim 11 uses the terms "process management" and "resource management". This term is mentioned in the specification but not defined at all. Since it is not defined, the claim has various meanings.

The specification is rejected due to the following. Claims 22 and 23 uses the terms "project context" and "role context". These terms are mentioned in the specification but not defined at all. Since it is not defined, the claim has various meanings.

Per the MPEP, section 608.01(I) the claim(s) is/are treated on its merits and a requirement made to amend the drawing and description to show the subject matter.

**35 USC § 101**

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-14 are rejected under 35 U.S.C. 101 for nonstatutory subject matter. The computer system must set forth a practical application of that § 101 judicial exception to produce a real-world result. Benson, 409 U.S. at 71-72, 175 USPQ at 676-77. The invention is ineligible because it has not been limited to a substantial practical application. Providing 'management services' is not a clearly defined purpose for functionality or a practical application in the real world environment.

In determining whether the claim is for a "practical application," the focus is not on whether the steps taken to achieve a particular result are useful, tangible and concrete, but rather that the final result achieved by the claimed invention is "useful, tangible and concrete." If the claim is directed to a practical application of the § 101 judicial exception producing a result tied to the physical world that does not preempt the judicial exception, then the claim meets the statutory requirement of 35 U.S.C. § 101.

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The term 'knowledge management' is not an accepted term in the art and the claims illustrate no real world purpose. The invention must have a purpose or function which is applicable in a real world situation.

The invention must be for a practical application and either:

- 1) specify transforming (physical thing) or
- 2) have the FINAL RESULT (not the steps) achieve or produce a  
useful (specific, substantial, AND credible),  
concrete (substantially repeatable/ non-unpredictable), AND  
tangible (real world/ non-abstract) result.

A claim that is so broad that it reads on both statutory and non-statutory subject matter, must be amended, and if the specification discloses a practical application but the claim is broader than the disclosure such that it does not require the practical application, then the claim must be amended.

Claims that do not mention a tangible result are not statutory.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or
- (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under

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the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 5, 7-11, 13-44 are rejected under 35 U.S.C. 102(e)

(hereinafter referred to as **Bowman**) being anticipated by Bowman-Amuah, U.S. 6339832.

Claim 1.

Bowman anticipates at least one computer workstation (**Bowman**, C10:18-44); a server operably coupled to said at least one computer workstation via said network (**Bowman**, C27:1-8); a plurality of business applications executable via said server (**Bowman**, C24:21-26); a data storage device storing information including files (**Bowman**, C47:51-58), documents (**Bowman**, C47:51-58; 'Documents' of applicant is equivalent to 'files' of Bowman.), spreadsheets (**Bowman**, C53:23-35), models resulting from execution of said business applications (**Bowman**, C191:9-23; 'Models' of applicant is equivalent to 'pattern' of Bowman.), said data storage device accessible to said server (**Bowman**, C157 through C2:4; A server is a storage device.); a knowledge management enabling tool executing on said server, said tool including: a graphical user interface operable for implementing knowledge presentation and knowledge maintenance (**Bowman**, C1:47-56; 'Knowledge management enabling tool' of applicant is equivalent to 'web browser' of Bowman.); at least one application programming interface (**Bowman**, C15:63 through C16:13; One example of a 'programming interface' of applicant is equivalent to 'Sun's Java Application Programming

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Interface' of Bowman.); a solution environment (**Bowman**, C15:63 through C16:13; 'Solution environment' of applicant is equivalent to 'interactive content' of Bowman.); and a knowledge management enabling environment integrated with said plurality of business applications and said solution environment via said application programming interface (**Bowman**, C15:63 through C16:13; A 'web browser' parallels a 'knowledge management' of applicant. If the web page is interactive then it provides the user with a solution environment. Java of Bowman is based on C++, it provides a programming interface.) ; wherein said knowledge management enabling tool facilitates receipt (**Bowman**, C57:62 through C58:13; 'Facilitating receipt' of applicant can be accomplished by using 'faxes' of Bowman.), classification, storage, and retrieval services relating to knowledge via said plurality of business applications. (**Bowman**, C23:49-53; 'Classification', 'storage and retrieval' of applicant is equivalent to 'architecture generation' and 'client/server' of Bowman.)

## Claim 2.

Bowman anticipates knowledge management enabling environment includes: a repository including a knowledge base, comprising: a subcomponent configured to manage structured data stored in said knowledge base (**Bowman**, C41:34-48); a binary large object subcomponent configured to manage unstructured data stored in said knowledge base (**Bowman**, C53:23-55; An example of 'unstructured data' of applicant is equivalent to 'word processing' of Bowman.) a structuring component (**Bowman**, C55:15-19; 'Structured



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component' of applicant is equivalent to 'word taxonomies' of Bowman.); a search component (**Bowman**, C55:8-14; One example of a 'search component' of applicant is equivalent to 'full text search' of Bowman.); and a collaboration component. (**Bowman**, C50:28-31; 'Collaboration component' of applicant is equivalent to 'document management' of Bowman.)

Claim 3.

Bowman anticipates structured data includes metadata relating to a knowledge artifact, said metadata placing it in a logical context. (**Bowman**, C55:15-19; Bowman illustrates using synonyms and word taxonomies, can be used for a context search. This is parallel to applicants metadata relating to a knowledge artifact and placing it into a logical context. 'Logical context' of applicant is equivalent to the ability to conduct a 'context search' of Bowman.)

Claim 5.

Bowman anticipates a means for categorizing knowledge artifacts into taxonomies (**Bowman**, C55:15-19; If taxonomies existed as in Bowman, then they were used for categorizing.) ; a means for mapping said knowledge artifacts among related taxonomies (**Bowman**, C55:15-19; 'Mapping' of applicant is equivalent to 'searching' of Bowman.); a means for providing annotations to said knowledge artifacts (**Bowman**, C41:24-33; 'Means for providing annotations' of applicant is equivalent to 'XML tags' of Bowman.); and a means for logically

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linking together said knowledge artifacts. (**Bowman**, C292:35-40; 'logically linking' of applicant is equivalent to 'logically related' of **Bowman**.)

Claim 7.

**Bowman** anticipates search component facilitates full text (**Bowman**, C55:8-14), graphic (**Bowman**, C36:11-15; 'Search' and 'graphic' of applicant is equivalent to 'collected' and 'display' of **Bowman**.), and parametric searching (**Bowman**, C55:20-23; 'Parametric searching' of applicant is accomplished by using Boolean expressions to set the parameters.) of said structured data and said unstructured data.

Claim 8.

**Bowman** anticipates collaboration component includes a means for: conducting threaded discussions (**Bowman**, C107:64-67; 'Threaded discussions' of applicant is accomplished by 'multi-threaded HTTP server' of **Bowman**.); implementing forum management (**Bowman**, C102:35-46); providing shared calendars (**Bowman**, C307:8-12; 'Calendar' of applicant is equivalent to 'up-to-date data' of **Bowman**.); facilitating document management (**Bowman**, C50:28-31); and providing electronic bulletin boards. (**Bowman**, C36:65-67)

Claim 9.

**Bowman** anticipates solution environment includes a web-enabled infrastructure of components, said components including at least one of: a role

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manager (**Bowman**, C102:35-46; 'Role manager' of applicant is equivalent to 'stores all relevant information about a user' of Bowman.); a context manager; a process manager; a security manager; and a workflow manager.

Claim 10.

Bowman anticipates data storage device is accessible to said at least one computer workstation via an access control tool. (**Bowman**, C10:18-44; 'Access control tool' of applicant is equivalent to 'keyboard' of Bowman.)

Claim 11.

Bowman anticipates plurality of business applications include at least one of: project management; process management; resource management (**Bowman**, C97:64 through C98:3); risk analysis; planning; and industry-specific tools.

Claim 13.

Bowman anticipates graphical user interface is presented to said at least one computer workstation via a client technology including web browser technology. (**Bowman**, C23:55 through C24:3)

Claim 14.

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Bowman anticipates content management of said knowledge base is provided by said graphical user interface. (**Bowman**, C10:18-44; 'Graphical user interface' of applicant is equivalent to 'touch screen' or 'display' of Bowman.)

Claim 15.

Bowman anticipates graphical user interface allows interaction with said knowledge base based on workflow provided by said solution environment. (**Bowman**, C3:60-61; 'Interaction' of applicant is equivalent to 'dialog' of Bowman.)

Claim 16.

Bowman anticipates searching and access of said knowledge base is provided by said application programming interface and said graphical user interface. (**Bowman**, C110:32-35; 'Searching' and 'graphical user interface' of applicant is equivalent to 'collected information' and 'display' of Bowman.)

Claim 17.

Bowman anticipates application programming interface utilizes web-enabled open standards protocols. (**Bowman**, C1:57 through C2:4; 'Open standard protocol' of applicant is equivalent to 'HTTP' of Bowman.)

Claim 18.

Bowman anticipates network is an Internet network. (**Bowman**, C1:23-29)

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Claim 19.

Bowman anticipates network is an Intranet network. (**Bowman**, C44:60 through C45:3)

Claim 20.

Bowman anticipates network is an Extranet network. (**Bowman**, C106:66 through C107:6)

Claims 21 and 33.

Bowman anticipates receiving data at a knowledge management enabling environment, said data relating to a project (**Bowman**, C36:11-15; 'Receiving data' of applicant is equivalent to 'input data' of Bowman.); establishing a customer context relating to said project via a solution environment (**Bowman**, C10: 56 through C11:2; 'Establishing a customer context' of applicant is equivalent to 'analyzing' the data of Bowman.) transferring said customer context to a solution environment (**Bowman**, C110:32-35; 'Transferring' of applicant is equivalent to 'format the information' of Bowman.); structuring said customer context (**Bowman**, C110:36-39; 'Structuring' of applicant is equivalent to 'output the report' of Bowman.); and storing said context in said solution environment. (**Bowman**, C110:36-39; Bowman illustrates storing the context onto disks.)

Claims 22 and 34.

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Bowman anticipates retrieving data relating to a task, said task assigned to an individual via said project management tool; wherein said task comprises a directive to create a work product (**Bowman**, C172:20-32; 'Create a work project' of applicant is equivalent to 'create the deliverables' of Bowman.); searching said solution environment for a role of said individual (**Bowman**, C2:25-35; 'Solution environment' and 'role' of applicant is equivalent to 'response' and 'category field' of Bowman.); and establishing a project context (**Bowman**, C15:63 through C16:13; 'Project context' of applicant is equivalent to 'interactive context' of Bowman.) and a role context. (**Bowman**, C55:50-57; 'Role context' of applicant is equivalent to 'attributes' of Bowman.)

Claims 23 and 35.

Bowman anticipates aggregating said customer context, said project context, and said role context; and (**Bowman**, Fig.10; Bowman illustrates the aggregating of customer context (**Bowman**, In this form it is equivalent to business logic 1022& 1024) and project context (**Bowman**, Fig.10; In this form it is equivalent to presentation) and role context (**Bowman**, Fig. 10; In this form it is equivalent to environment 1016 & 1018) transferring aggregated contexts to said project management tool. (**Bowman**, Fig.13; 'Project management tool' of applicant is equivalent to the display illustrated in Fig. 13.)

Claims 24 and 36.

Bowman anticipates gathering search data using terms found in said aggregated contexts and local information (**Bowman**, C110:1-12; 'Local information' of applicant is equivalent to 'report type' of Bowman.); executing a search in a knowledge repository for knowledge artifacts relating to said project (**Bowman**, C54:59 through C55:23); retrieving selected artifacts based upon search results (**Bowman**, C54:62 through C55:23; 'Retrieving selected artifacts' of applicant is accomplished by 'attribute search', 'full-text search', 'context search' and 'Boolean search'.); and transferring said task and said selected artifacts to said individual. (**Bowman**, C56:20-41; 'Transferring' of applicant is equivalent to 'communication' of Bowman.)

Claims 25 and 37.

Bowman anticipates upon completion of said task: packaging said work product with said selected artifacts and said aggregated contexts resulting in a work package (**Bowman**, C109:28-30); displaying content of said work package to said individual wherein (**Bowman**, C36:11-15; 'Displaying' of applicant is equivalent to 'display' of Bowman.): said individual is requested to provide an approval status for submission of said selected artifacts to be included in said knowledge repository (**Bowman**, C247:1-6; 'Approval status' of applicant is equivalent to 'review' of Bowman.); and upon approval of said selected artifacts, transferring said work package to said knowledge management enabling environment. (**Bowman**, C1:47-56; 'Knowledge management enabling tool' of applicant is equivalent to 'web browser' of Bowman.)

Claims 26 and 38.

Bowman anticipates customer context includes information, including at least one of: a customer name; customer contact information; customer industry; contract information; products involved; and enterprise employees working with said customer. (**Bowman**, C128:66 through C129:10; 'Name' and 'contact information' of applicant is equivalent to 'name' and 'telephone number' of Bowman.)

Claims 27 and 39.

Bowman anticipates wherein said search data includes at least one of: a role; skills; language; industry; and technology. (**Bowman**, C25:43-46; 'Search data' of applicant is equivalent to 'requirements' of Bowman.)

Claims 28 and 40.

Bowman anticipates wherein said local information includes work product information including at least one of: schedule deadlines; project phase data, project task data; and schedule information. (**Bowman**, C118:51-55; Bowman illustrates how deadlines are used to determine workflow.)

Claims 29 and 41.

Bowman anticipates executing a search in a knowledge repository includes utilizing structuring information from a structuring component for



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collecting and returning said knowledge artifacts. (**Bowman**, C54:62 through C55:7: 'Structuring component' of applicant is equivalent to 'words' of Bowman.)

Claims 30 and 42.

Bowman anticipates transferring said task and said selected artifacts to said individual includes providing at least one of: a description of said task (**Bowman**, C122:52-56; 'Description of task' of applicant is equivalent to 'proven solution' of Bowman.); examples of similar work products; and technique papers.

Claims 31 and 43.

Bowman anticipates task and said selected artifacts are transferred via at least one of: an email message to said individual (**Bowman**, C65:19-23); and a collaborative workplace accessible to said individual via a link to said task and said selected artifacts in said workplace.

Claims 32 and 44.

Bowman anticipates transferring said work package to said knowledge management enabling environment includes: storing work package data (**Bowman**, C36:11-15; 'Storing' and 'package data' of applicant is equivalent to 'field' and 'input textual data' of Bowman.); mapping said work package data to associated taxonomies (**Bowman**, C55:15-19; 'Mapping' of applicant is equivalent to 'searching' of Bowman.); initiating a workflow operable for implementing content management of said work package data (**Bowman**,

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C27:51-63); and storing results of said task in said knowledge repository.

(**Bowman**, C41:34-48)

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bowman as set forth above in view of Oku ( U. S. Patent 6098047, referred to as **Oku**)

Claim 4.

Bowman teaches unstructured data includes: word processing files (**Bowman**, C47:45-49) presentations (**Bowman**, C28:15-17); spreadsheet files (**Bowman**, C47:45-49); software programs (**Bowman**, C47:45-49; 'Word

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processing' or 'spreadsheet' are examples of software programs.); templates (**Bowman**, C36:19-28); and industry-specific information, including: process models (**Bowman**, C12:11-19); architectural diagrams. (**Bowman**, C17:10-17; 'Architectural diagrams' of applicant is equivalent to 'architectural concepts' of Bowman.)

Bowman fails to teach structure models of pharmaceuticals under development.

Oku teaches structure models of pharmaceuticals under development. (**Oku**, C5:49-67) It would have been obvious to a person having ordinary skill in the art at the time of applicant's invention to modify the teachings of Bowman by incorporating pharmaceuticals models as taught by Oku to have structure models of pharmaceuticals under development.

For the purpose of illustrating the flexibility of the system to handle pharmaceutical information if needed.

### ***Claim Rejections - 35 USC § 103***

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bowman, as set forth above, and further in view of Link. (U. S. Patent Publication 20010034028, referred to as **Link**)

Claim 6.

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Bowman does not teach knowledge artifacts are mapped into taxonomies via at least one of: hard coded rules; similarity algorithms; clustering algorithms; and inference engines.

Link teaches knowledge artifacts are mapped into taxonomies via at least one of: hard coded rules (**Link**, ¶0097 and ¶0207; 'Hard coded rules' of applicant is equivalent to 'similarity and clustering' algorithms, since these algorithms follow the same rules each time they are evoked.); similarity algorithms (**Link**, ¶0097); clustering algorithms (**Link**, ¶0207); and inference engines. (**Link**, ¶0207) It would have been obvious to a person having ordinary skill in the art at the time of applicant's invention to modify the teachings of Bowman by using standard mapping algorithms as taught by Link to having knowledge artifacts are mapped into taxonomies via at least one of: hard coded rules; similarity algorithms; clustering algorithms; and inference engines.

For the purpose of using industrial standard algorithms which have a proven history for performing mapping tasks.

### ***Claim Rejections - 35 USC § 103***

7. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bowman, as set forth above, and further in view of Hutsch. (U. S. Patent Publication 20010034771, referred to as **Hutsch**)

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Claim 12.

Bowman does not teach graphical user interface is presented to said at least one computer workstation in the form of a portlet within a portal.

Hutsch teaches graphical user interface is presented to said at least one computer workstation in the form of a portlet within a portal. (**Hutsch**, ¶0094) It would have been obvious to a person having ordinary skill in the art at the time of applicant's invention to modify the teachings of Bowman by incorporating a portal as taught by Hutsch to have a graphical user interface is presented to said at least one computer workstation in the form of a portlet within a portal.

For the purpose of ease of use, for the user by using a portlet on the desktop.

***Conclusion***

8. The prior art of record and not relied upon is considered pertinent to the applicant's disclosure.

-‘The Information Utility: a project retrospect’: Jacob Slonim, Michael

Bauer

-U. S. Patent Publication 20020010612: Smith

-U. S. Patent Publication 20020002479: Almog

-U. S. Patent Publication 20020002478: Swart

-U. S. Patent Publication 20010047285: Borders

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-U. S. Patent 6314425: Serbinis

-U. S. Patent 6230156: Hussey

-U. S. Patent 6219648: Jones

-U. S. Patent 6219648: Jones

-U. S. Patent Publication 20010052108: Bowman-Amuah

-U. S. Patent 6332163: Bowman-Amuah

-U. S. Patent 6289382: Bowman-Amuah

-U. S. Patent 6256773: Bowman-Amuah

-U. S. Patent 6147975: Bowman-Amuah

-U. S. Patent 6195697: Bowman-Amuah

9. Claims 1-44 are rejected.

### ***Correspondence Information***

10. Any inquiry concerning this information or related to the subject disclosure should be directed to the Examiner Peter Coughlan, whose telephone number is (571) 272-5990. The Examiner can be reached on Monday through Friday from 7:15 a.m. to 3:45 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor David Vincent can be reached at (571) 272-3687. Any response to this office action should be mailed to:

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Peter Coughlan

5/17/2006

